

Gateway 30-inch LCD TV Specifications

Specifications are subject to change without notice or obligation.

Display Panel	
Screen size	Diagonal 30-inch
Aspect ratio	16:9 wide
Number of pixels	1280 (Horizontal, RGB Trio) × 768 (Vertical) pixels
Pixel pitch	0.5025 × 0.1675 mm
Luminance	450 cd/m ² , at APL13% typical
Contrast ratio	350:1 typical
Response time	25 ms typical (7 ms Tr, 18 ms Tf)
Colors	16.7 M colors / 8 bits
Viewing angle	±85° Horizontal / ±85° Vertical
Power Source	
Input voltage	90 ~ 240 Vac, 47.5 Hz -63 Hz
Input current	2.5 A
Power consumption	165 Watts max.
Stand-by and Power Save	5 Watts max.

Connector Types

1	RCA jacks for audio, composite video, and component video
1	4-pin Din S-terminal for S-Video
1	15-pin D-SUB for RGB
1	F-terminal coax
1	DVI
1	RS-232 DSub
1	1/8-inch stereo mini-plug for headphones
1	1/8-inch stereo mini-plug for PC audio

Video Signal

Type	Analog
Polarity	Positive
Amplitude	0.7 Vp-p
Sync	0.286 V below video
Input impedance	75 ohms

Y_PB_PR_P Signal (Component)

Type	Analog
Polarity	Positive
Amplitude	Y: 1 Vp-p, C: 0.286 Vp-p
Sync	0.3 V below video

RGB Signal

Type	Analog
Polarity	Positive or Negative
Amplitude	RGB: 0.7 Vp-p
Frequency	H: support to 30 k ~ 66 kHz, V: support to 50 ~ 85 Hz

Audio Signal

Analog 450 mV rms /more than 600 ohm

Pin Assignments for D-SUB Connector (In/Loop Out)

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RED	6	RED GND	11	NC
2	GREEN	7	GREEN GND	12	SDA
3	BLUE	8	BLUE GND	13	H-SYNC
4	NC	9	+5 V for DDC	14	V-SYNC
5	GND	10	GND	15	SCL

RGB For VESA Standard

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	V-Sync Polarity (TTL)	H-Sync Polarity (TTL)	Dot Rate (MHz)
1	640 × 350	70	31.5	70.80	-	+	25.175
2	720 × 400	70	31.5	70.80	+	-	28.321
3	640 × 480	60	31.5	59.94	-	-	25.175
4	640 × 480	75	37.5	75.00	-	-	31.500
5	640 × 480	85	43.3	85.00	-	-	36.000
6	800 × 600	60	37.9	60.317	+	+	40.000
7	800 × 600	75	46.9	75.00	+	+	49.500
8	800 × 600	85	53.6	85.06	+	+	56.250
9	832 × 624	75	49.7	74.55	+/-	+/-	57.283
10	1024 × 768	60	48.4	60.00	-	-	65.000
11	1024 × 768	75	60.1	75.03	-	-	78.750
12	1280 × 1024	60	64.0	60.02	+	+	108.000
13	1280 × 768	60	47.7	60.00	+	+	80.140

YPbPr for Component			
Mode	Resolution	Source	Refresh Rate
1	480i, 480p, 720p, 1080i	HDTV-in	60 Hz
2	480i, Faroudja-enhanced	DVD-in	60 Hz

Maximum Resolution	
Up to 1280 × 1024	

Dimensions	With/Stand
Width	28.89 in. (733.8 mm)
Height	21.18 in. (538.0 mm)
Depth	7.52 in. (191.0 mm)

Package Dimensions	
Width	33.54 in. (852.0 mm)
Height	26.26 in. (667.0 mm)
Depth	11.14 in. (283.0 mm)

Weight	
Net weight	36.16 lbs (16.4 kgs)
Gross weight	48.5 lbs (22.0 kgs)

Operating	
Temperature	10~35°C (50~95°F)
Relative humidity	10~80%
Pressure	0~14,000 feet

Non-Operating

Temperature	-20~60°C
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Relative humidity	5~95%
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Sound

2 speakers (Optional)	8 W
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Reliability Requirement

The MTBF is 50,000 hours under operation at 25±5°C (Half luminosity, motion picture)

Emissions Requirement

Your LCD TV meets the EMI limits in all screen modes as qualified by FCC class B part 15.

Many products for Gateway and its subsidiaries are custom engineered by our suppliers to Gateway specifications and may vary from similarly marketed products.

MAN MON 30" LCD TV SPEC R0 11/03



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